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DISTRIBUTION OF FRESHWATER FISHES IN OREGON BY BLM DISTRICT

Scientific names of species were taken from "Keys to Oregon Freshwater Fishes" by Bond (1973), with "A List of Common and Scientific Names of Fishes" by Bailey, et al. (American Fisheries Society Special Publication No. 6, 1970) used as a secondary reference.

Distribution shown for each species by BLM district was obtained from the following sources:

1. Carl E. Bond; Professor of Fisheries, Oregon State University; from "Keys to Oregon Freshwater Fishes" and O.S.U. collection records reviewed on 12/12/73.

2. Oregon Game Commission; 14 River Basin Reports and Annual Reports of the Fishery Division, 1962-70.

3. Pacific Northwest River Basins Commission; Willamette Basin Comprehensive Study - Water and Related Land Resources, Appendix D, Fish and Wildlife, 1969.

Some species shown as occurring within district boundaries may not be found in waters on natural resource lands because of habitat requirements, e.g., Lake and Golden trout are generally stocked in high mountain lakes.

This checklist should not necessarily be considered a final product. It should be updated with current knowledge of district personnel and other local individuals with fishery expertise. Some warm-water game fish and non-game species not reported for some districts may have been introduced into local waters at some time, either by the Oregon Wildlife Commission or by illegal liberations. District Fishery Biologists of the OWC should be consulted to verify the presence of questionable species.

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DISTRIBUTION OF FRESHWATER FISHES IN OREGON BY BLM DISTRICT

(X = known to occur in waters within district boundaries)

Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Petromyzontidae											
Pacific lamprey (Lampetra tridentata)	X	X	X	X	X	X	X	X	X		Common in medium to large streams. Some landlocked populations in Klamath and Goose Lake drainages.
Pit-Klamath brook lamprey (Lampetra lethophaga)							X				Inhabits small streams of Klamath and Goose Lake drainages; not common.
River lamprey (Lampetra ayresi)	X										Lower Columbia River to Bonneville Dam. Yaquina River; several miles above tidewater in Simpson Creek. May be in other coastal streams.
Western brook lamprey (Lampetra richardsoni)	X	X	X	X	X			X	X		Small to medium streams; common. OSU collections from Rhea Creek (south of Heppner) and Strawberry Creek (near Prairie City).
Acipenseridae											
White sturgeon (Acipenser transmontanus)	X	X		X	X	X	X		X	X	Columbia and Snake Rivers. Larger coastal rivers near the ocean; marine migrations between estuaries. Klamath and Agency Lakes.
Clupeidae											
American shad (Alosa sapidissima)	X	X	X	X	X	X			X		Columbia and lower Snake Rivers. Anadromous; also spawn at the head of tidewater in some coastal rivers.
Salmonidae											
Mountain whitefish (Prosopium williamsoni)	X	X				X		X	X	X	Common in medium to large tributaries of forested areas with downstream distribution in large rivers, reservoirs and some lakes. Columbia River drainage and Harney Basin.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Brook trout (Salvelinus fontinalis)	X	X	X	X	X	X	X	X	X	X	Widely introduced in colder streams and lakes; most abundant in mountains.
Lake trout (Salvelinus namaycush)						X			X		Introduced into high mountain lakes with deep water, i.e., Odell, Crescent, Big, Three-creeks, Big Cultus, and Wallowa.
Dolly varden (Salvelinus malma)	X	X				X	X	X	X	X	Cold streams and lakes; fairly common, but larger fish easily caught. Rare in Klamath Basin. Some found in reservoirs with fairly warm water.
Cutthroat trout (Salmo clarki)	X	X	X	X	X	X	X	X	X	X	Native and introduced subspecies widely distributed throughout cold waters of the state.
1. Coastal cutthroat trout (Salmo c. clarki)	X	X	X	X	X	X					Widespread distribution in western Oregon; present in Hood River drainage. Inhabits smallest of perennial streams and spawn in some intermittent tributaries. Both anadromous and resident populations.
2. Lahontan cutthroat trout (Salmo c. henshawi)						X	X	X		X	No native populations. In the last 5 years OGC has planted this subspecies in Antelope, Priday and Prineville reservoirs; Mann, Cow and Wildhorse Lakes; Crooked and Guano Creeks; and 5 other waters.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
3. Yellowstone cutthroat trout (Salmo c. lewisi)								X	X		Historically native to Snake River and tributaries. Found in upper John Day River watershed. Collected from Canyon Creek.
4. Alvord cutthroat trout (Salmo c. alvordensis)										X	Last remaining populations in Whitehorse and Willow Creeks.
Brown Trout (Salmo trutta)	X	X	X	X		X	X		X		Widely introduced in river systems and lakes. Can adapt to a wide variety of habitats.
Atlantic salmon (Salmo salar)						X		X			Planted by OGC in some mountain lakes; i.e., Hosmer, Sparks, Odell, Elk, Davis, and Olive.
Golden trout (Salmo aguabonita)	X	X				X			X		Introduced by OGC into high mountain lakes and streams; i.e., Razz, Wood, Hobo, Jack, Golden, Divide, Double, Devils, Carver, and Camp Lakes.
Rainbow trout-resident (Salmo gairdneri)	X	X	X	X	X	X	X	X	X	X	Native and introduced subspecies found and stocked in all types of streams, rivers, ponds, lakes and reservoirs where habitat conditions are suitable.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
1. Steelhead (Salmo g. gairdneri)	X	X	X	X	X	X		X	X		Sea-run races (winter or summer) found in all rivers where access is not blocked by obstructions. Small to medium tributaries preferred for spawning; some intermittent and dry (summer) streams important for spawning. Occurs naturally in some coastal lakes and planted in some larger reservoirs.
2. Klamath Lake rainbow (Salmo g. newberryi)							X				Klamath Lake rainbow. Chief spawning tributaries are the Williamson and Sprague rivers.
Red-band trout (Salmo sp.)							X	X		X	Found in small to medium streams of the cold desert plateau and some forested areas; e.g., Bridge and Buck Creeks, Silver Lake drainage; Home and Three-mile Creeks, Catlow valley. Also found in streams of Harney Basin, Warner Valley, and the Owyhee Drainage
Sockeye salmon (Oncorhynchus nerka)	X					X			X		Native populations migrate through the Columbia River enroute to rearing (lakes) and spawning (tributaries above lakes) areas in Washington and Idaho. Native runs to lakes in Oregon destroyed by dams. Occasional stray in coastal rivers.
Kokanee (Oncorhynchus n. kennerlyi)	X	X	X	X	X	X	X	X	X		Native to some lakes; now widely introduced in lakes and reservoirs. Self-perpetuating populations usually spawn in small to medium tributaries to lakes.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Chum salmon (Oncorhynchus keta)	X	X			X						Drastic decline in all populations, but still present in many coastal streams and in tributaries to the lower Columbia River. Spawn in small tributaries to main rivers. Young migrate to salt water soon after hatching.
Coho salmon (Oncorhynchus kisutch	X	X	X	X	X	X		X	X		Spawn in medium to small streams, including many perennial and some dry (summer) streams. Widespread in western Oregon in most larger tributaries with open access for anadromous fish. Low stream flow during summer months is one of the most important factors limiting production of wild populations.
Chinook salmon (Oncorhynchus tshawytscha) 1. Spring	X	X	X	X	X	X		X	X		Spawn and rear in medium to large headwater streams and the upper reaches of some major rivers. Distribution is still widespread where original habitat is relatively unpolluted and accessible to adult migrants.
2. Summer	X			X	X	X			X		Generally utilize larger streams lower in watersheds than spring chinook or lower parts of the same tributaries. Present in the Deschutes and Imnaha rivers and some tributaries of the Grande Ronde River. The Rogue River has a late summer run.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
3. Fall	X	X	X	X	X	X			X		Spawning occurs in medium-sized streams to largest rivers (Rogue, Deschutes and Snake rivers, etc.). Heavy utilization of medium-sized tributaries of coastal rivers.
Pink Salmon (Oncorhynchus gorbuscha)	X	X									No annual runs to any streams in Oregon. Occasional strays caught in the lower Columbia River and some coastal rivers. Records from Siuslaw, Yaquina, Salmon, Nestucca, and Necanicum Rivers.
Osmeridae											
Eulachon (Thaleichthys pacificus)	X	X			X						Anadromous species; annual runs formerly in the Sandy River (small run in 1971). Large annual run in lower Columbia River, and occasional runs to lower parts of coastal rivers.
Longfin smelt (Spirinchus thaleichthys)	X	X			X						Mostly marine, but runs into freshwater from estuaries during fall months. O.S.U. record from Lower Rogue River, but mostly north of Tillamook Head.
Catostomidae											
Mountain sucker (Catostomus platyrhynchus)	X	X				X		X	X	X	Generally found in smaller to large, cold-water, streams of headwater areas. Feed on algae, diatoms and organic material from the surface of rocks.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Bridgelip sucker (Catostomus columbianus)				X		X		X	X	X	Medium and large streams with cooler, swift, water. Columbia River and Harney basins. Found in some reservoirs. Introduced into several southwestern Oregon waters.
Klamath smallscale sucker (Catostomus rimiculus)				X							Rogue and Klamath (below falls) rivers.
Tahoe sucker (Catostomus tahoensis)										X	In Oregon, only in McDermitt Creek.
Largescale sucker (Catostomus macrocheilus)	X	X	X	X	X	X		X	X	X	Widespread in many types of Lentic and Lotic habitats. Generally found in slower parts of streams.
Sacramento sucker (Catostomus occidentalis)							X				In Oregon, only in Goose Lake drainage.
Warner sucker (Catostomus warnerensis)							X				Found only in Warner Valley. Spawning runs in tributaries to lakes; Honey Creek, Twentymile Creek and formerly in Deep Creek.
Klamath largescale sucker (Catostomus synderi)				X			X				Klamath Basin, in Klamath Lake and streams both above and below Falls, but mostly above the falls.
Shortnose sucker (Chasmistes brevirostris)				X			X				Found only in Upper Klamath Lake and tributaries above the Lake. Occurrence is rare.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Lost River sucker "Mullet" (Catostomus luxatus)				X			X				Klamath Basin, primarily in Upper Klamath Lake.
Cyprinidae											
Carp (Cyprinus carpio)	X	X	X	X	X	X		X	X	X	Widely introduced. Common in most warmer waters of the state.
Goldfish (Carassius auratus)		(Aquaria stock may be released into waters near human residences at any time)									Fish from most releases do not survive.
Tench (Tinca tinca)	X										Introduced into lower Columbia River; probably in lower Willamette River below falls.
Chiselmouth (Acrocheilus alutaceus)	X	X				X		X	X	X	Columbia River and tributaries; Harney Basin.
Oregon chub (Hybopsis crameri)	X	X	X	X							Slough-like backwaters of Willamette and Umpqua rivers, and weedy areas of lowland ponds. Records from Cow Creek (Umpqua tributary).
Northern squawfish (Ptychocheilus oregonensis)	X	X				X		X	X	X	Lowland waterways of Columbia River system and Harney Basin.
Umpqua squawfish (Ptychocheilus umpquae)		X	X	X	X						Siuslaw and Umpqua rivers, including Cow Creek.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Redside shiner 1. (Richardsonius balteatus balteatus)	X	X	X	X	X	X		X	X	X	Streams, lakes and ponds of Columbia and Harney Basins and coastal river watersheds. Abundant in some reservoirs.
2. (Richardsonius b. hydrophlox)								X	X	X	Harney Basin and some localities of the Columbia Basin in eastern Oregon.
Blue chub (Gila coerulea)				X		X	X				Klamath Lake (numerous) and tributaries; introduced to East Lake.
Lahontan Redside (Richardsonius egregius)										X	McDermitt Creek only (Lahontan Basin)
California roach (Hesperoleucus symmetricus)						X	X				Goose Lake drainage, and introduced to waters in Prineville District.
Tui chub (Gila bicolor)				X		X	X	X	X	X	Five subspecies of the Tui chub are generally recognized in Oregon: *Gila bicolor bicolor* in the Klamath Basin; *G. b. columbianus* of Columbia system in eastern Oregon; *G. b. formosus* in Goose Lake; *G. b. oregonensis* in Warner, Silver, Summer and other south central lakes; and *G. b. obesus* of Lahontan drainage (McDermitt Creek).
Alvord chub (Gila alvordensis)								X			Distribution limited to Alvord Basin; lower Trout Creek, Red Point Springs, Borax and Juniper Lakes.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Umpqua dace (Rhinichthys evermanni)			X	X							Inhabits swift riffle areas of the Umpqua River system, including Cow Creek.
Longnose dace (Rhinichthys cataractae dulcis)	X	X				X		X	X	X	Occurs in cooler, faster water, riffle areas of medium to large rivers tributary to the Columbia River; also Harney Basin. Known to live around the shores of lakes.
Speckled dace (Rhinichthys osculus subsp.)	X	X	X	X	X	X	X	X	X	X	Statewide distribution in all types of habitat, depending on subspecies.
Umatilla dace (Rhinichthys osculus umatilla)						X			X		Columbia River drainage, east of Cascades.
Blackside dace (Rhinichthys o. nubilus)	X	X	X	X	X						Lower Columbia River and coastal streams. Sometimes called black-nosed dace.
Leopard dace (Rhinichthys falcatus)	X	X				X			X	X	Columbia River drainage, including Willamette River. Distribution not well known in Oregon.
Millicoma dace (Rhinichthys sp.)					X						Collected only from the Coos River; both South Fork and Millicoma River. Inhabits swiftest of waters.
Peamouth (Mylocheilus caurinus)	X	X									Lower Columbia River and Willamette R. Numerous during spawning in the Clackamas R., but most abundant in the lower Columbia River.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Ictaluridae											
White catfish (Ictalurus catus)	X										Introduced to lower Columbia and Willamette rivers.
Channel catfish (Ictalurus punctatus)	X	X	X		X	X		X	X	X	Introduced into some large rivers (Columbia, Snake, Willamette, Umpqua and John Day), lakes and reservoirs. Usually found in colder, swifter streams than the bullheads.
Tadpole madtom (Noturus gyrinus)										X	Introduced to Snake and Owyhee rivers.
Flathead catfish (Pylodictis olivaris)									X	X	Introduced to Snake River.
Black bullhead (Ictalurus melas)						X	X	X	X	X	Reported from middle Columbia and Snake Rivers; one collection from Chewaucan River and probably in other areas. Inhabits fairly muddy or silty areas of ponds, sloughs and rivers.
Yellow bullhead (Ictalurus natalis)	X	X	X		X		X		X		Abundant in Willamette Valley; collected from Umpqua and could show up anywhere. Found in sluggish to moderately swift streams and in lakes. Usually more common in clean waters and vegetation than other bullheads.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Brown bullhead (Ictalurus nebulosus)	X	X	X	X	X	X	X	X	X	X	Common throughout the state in sluggish, weedy streams, ponds, lakes and reservoirs.
Cyprinodontidae											
Rainwater killifish (Lucania parva)	X										Introduced; in drainage ditches to Yaquina Bay.
Poeciliidae											
Mosquitofish (Gambusia affinis)	X	X		X			X				Introduced into numerous western Oregon localities for insect control. Probably also in Roseburg and Coos Bay districts.
Percopsidae											
Sand roller (Percopsis transmontana)	X	X				X			X		Lower Columbia River upstream to mouth of Umatilla River; mainstem Willamette. Prefers sandy areas with cut banks and snags for cover.
Gadidae											
Burbot (Lota lota)	X					X			X		Columbia River only. Not common in lower Columbia, one record from Astoria. More common in upper Columbia River Basin Basin.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Centrarchidae											
White crappie (Pomoxis annularis)	X	X	X	X	X	X	X	X	X	X	Widely introduced into ponds, lakes, large reservoirs and large streams. More tolerant of warmer and more turbid waters than Black crappie.
Black crappie (Pomoxis nigromaculatus)	X	X	X	X	X	X	X		X	X	Widely introduced throughout state. Preferred habitat is clear, weedy lakes and reservoirs, sloughs and backwaters of larger streams.
Pumpkinseed (Lepomis gibbosus)	X	X		X			X	X	X	X	Widely introduced with preferred habitat being moderately warm, weedy ponds, lakes and sluggish streams. Could possibly be found in all districts.
Bluegill (Lepomis ~~gibbosus~~) macrochirus)	X	X	X	X	X	X	X	X	X	X	Widely introduced. Thrives in warm-water ponds, lakes, and reservoirs in shallow water near aquatic vegetation and shore. Also inhabits quiet waters of sluggish streams.
Warmouth (Lepomis gulosus)	X	X			X						Introduced into lakes and streams, Can tolerate muddy water. Found near weed beds, around rocky areas, and near pilings.
Green sunfish (Lepomis cyanellus)	X			X							Introduced into several waters of the state; Blue Lake (near Portland) and Klamath River. Possibly in other waters.

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Species	Salem	Eugene	Roseburg	Medford	Coos Bay	Prineville	Lakeview	Burns	Baker	Vale	Habitat
Largemouth bass (Micropterus salmoides)	X	X	X	X	X	X	X	X	X	X	Widely introduced in ponds, lakes, reservoirs and rivers. Typically found in relatively shallow, weedy, mud-bottomed lakes, sloughs or sluggish streams.
Smallmouth bass (Micropterus dolomieui)		X				X		X	X	X	Introduced into Columbia, Willamette and Snake Rivers. Now present in tributaries to the Snake River and John Day River. Mostly found in fairly large tributaries or major rivers. Prefer clearer water and gravel-rubble bottoms, and colder water than largemouth bass. Planted in some lakes and inhabit some larger reservoirs.
Percidae											
Walleye (Stizostedion vitreum vitreum)	X					X			X		Introduced in upper Columbia Basin. An occasional walleye is now caught in the lower Columbia River.
Yellow perch (Perca flavescens)	X	X	X	X	X	X	X	X	X	X	Widely introduced into lakes, reservoirs, and large rivers. Young prefer shallows, while adults like deep waters. In large rivers, found where the current is slow and in deep sloughs.
Percichthyidae											
Striped bass (Morone saxatilis)	X	X			X						An introduced, euryhaline species spawning in esturaries at the head of tidewater. Largest populations in Coos and Umpqua rivers; occasionally entering other estuaries as far north as the Columbia River.

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Cottidae											
Slender sculpin (Cottus tenuis)				X			X				Klamath Lake and medium to large tributaries to Klamath Lake.
Coastrange sculpin (Cottus aleuticus)	X	X	X	X	X						Inhabits riffle areas of small to large coastal streams and tributaries to the lower Columbia River.
Klamath Lake sculpin (Cottus princeps)				X			X				A lake species found only in Klamath Lake Lake and adjacent swampy areas.
Prickly sculpin (Cottus asper)	X	X	X	X	X	X					Prefers still water and sandy bottom areas of medium to large coastal streams. Also occurs in lower Columbia basin into eastern Oregon.
Riffle sculpin (Cottus gulosus)	X	X	X	X	X						Found in riffles of small to medium coastal streams; from tidewater to headwater streams. Also found in lower Columbia watershed.
Shorthead sculpin (Cottus confusus)	X	X				X		X	X	X	Columbia drainage. Usually found in riffle areas of cold-water, headwater streams.
Torrent sculpin (Cottus rhotheus)	X	X				X		X	X	X	Prefers swift water in small to medium streams. Columbia drainage; Nehalem and Necanicum rivers.

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Mottled sculpin (Cottus bairdi)	X	X				X		X	X	X	A versatile species living in both riffles and pools of small to large streams. Two subspecies: C.b. semiscaber in Columbia drainage; C.b. subsp. Malheur sculpin) is a unique form found in Harney Basin - Silver, Poison, Devine and Riddle creeks; now extinct in Rattlesnake Creek.
Pit sculpin (Cottus pitensis)							X				Tributaries to Goose Lake. May now be extinct in Oregon.
Piute sculpin (Cottus beldingi)	X	X				X			X	X	Found mostly in riffle areas of small to large tributaries to the Columbia River, with medium streams preferred.
Marbled sculpin (Cottus klamathensis)				X			X				Klamath Basin. Mainly in lakes and medium-sized streams.
Margined sculpin (Cottus marginatus)									X		Limited distribution in Oregon; Walla Walla and Umatilla rivers. Small to medium streams.
Reticulate sculpin (Cottus perplexus)	X	X	X	X	X	X					Coastal streams, lower Columbia, Willamette, and Upper Deschutes River. Resides in all types of habitat from riffles to quiet, sandy areas.

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Gasterosteidae											
Three-spined stickleback											
1. (Gasterosteus aculeatus)	X	X	X	X	X						Two subspecies: G.a. microcephalus is found in freshwater, lowland waterways of western Oregon; G.a. aculeatus occurs primarily in marine and brackish water, but enters freshwater to spawn above the head of tidewater.

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